PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

То

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202

Date of mailing (day/month/year)

15 May 2001 (15.05.01)

ETATS-UNIS D'AMERIQUE
in its capacity as elected Office

International application No.
PCT/US00/19843
International filing date (day/month/year)
21 July 2000 (21.07.00)

Applicant's or agent's file reference
00415-02

Priority date (day/month/year)
23 July 1999 (23.07.99)

Applicant

[M]

HERR, John, C. et al

1.	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	20 February 2001 (20.02.01)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was was was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

Olivia TEFY

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35



INTERNATIONAL SEARCH REPORT

International application No. PCT/US00/19843

						
A. CLASSIFICATION OF SUBJECT MATTER IPC(7) :Please See Extra Sheet.						
	US CL :Please See Extra Sheet.					
According to International Patent Classification (IPC) or to both national classification and IPC						
	DS SEARCHED					
	ocumentation searched (classification system follower					
	424/152.1, 172.1 178.1; 435/2, 7.21, 7.92, 328, 329; 4: 935/66	36/518; 530/387.3, 387.5, 388.2, 391.1, 3	91.3, 391.7; 536/23.53;			
Documentat	ion searched other than minimum documentation to the	extent that such documents are included	in the fields searched			
Electronic d EAST	Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST					
C. DOC	UMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.			
Y	US 5,830,472 A (HERR et al.) 03 document.	November 1998, see entire	1-37			
Y	OWENS et al. The Genetic Engineering Journal of Immunological Methods. 19 see entire document.	1-37				
Furth	er documents are listed in the continuation of Box C	. See patent family annex.				
"A" dos	ecial categories of cited documents: cument defining the general state of the art which is not considered	"T" later document published after the inte date and not in conflict with the appl the principle or theory underlying the	ication but cited to understand			
	be of particular relevance tier document published on or after the international filing date	*X* document of particular relevance; the				
"L" doe	cument which may throw doubts on priority claim(s) or which is ed to establish the publication date of another citation or other	considered novel or cannot be considered when the document is taken alone				
O do	cial reason (as specified) cument referring to an oral disclosure, use, exhibition or other	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination				
P do	ams cument published prior to the international filing date but later than priority date claimed	being obvious to a person skilled in the art *A* document member of the same patent family				
Date of the	actual completion of the international search EMBER 2000	Date of mailing of the international sea 18 OCT 2000	arch report			
Commission Box PCT Washington	nailing address of the ISA/US ner of Patents and Trademarks n, D.C. 20231	Authorized offices JAMES L. GRUN, PH.D. Telephone No. (703) 308-0196	we Tou			



A. CLASSIFICATION OF SUBJECT MATTER:

Form PCT/ISA/210 (extra sheet) (July 1998)★

International application No. PCT/US00/19843

	IPC (7):						
	A61K 39/395, 39/44; C07H 21/04; C07K 16/18; C12P 21/08; G01N 33/542, 33/567						
	A. CLASSIFICATION OF SUBJECT MATTER: US CL: 424/152.1, 178.1; 435/2, 7.21, 7.92, 328, 329; 436/518; 530/387.3, 387.5, 388.2, 391.1, 391.7; 536/23.53; 935/66						
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PATENT COOPERATION TREATY

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WIPO		PCT	لــ

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

	T					
Applicant's or agent's file reference 00415-02	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)				
International application No.	International filing date (day)	ing date (day/month/year) Priority date (day/month/year)				
PCT/US00/19843	21 JULY 2000		23 JULY 1999			
International Patent Classification (IPC) Please See Supplemental Sheet.	or national classification and I	PC ·				
Applicant UNIVERSITY OF VIRGINIA PATEN	T FOUNDATION					
Examining Authority and is	transmitted to the applicant	s been prepa t according to	red by this International Preliminary Article 36.			
2. This REPORT consists of a						
been amended and are the	panied by ANNEXES, i.e., sh the basis for this report and/or st tion 607 of the Administrative	heets containir	cription, claims and/or drawings which have grectifications made before this Authority. ander the PCT).			
These annexes consist of a to	otal of sheets.					
3. This report contains indication	ns relating to the following	items:				
I X Basis of the repo	rt					
II Priority						
III Non-establishme	nt of report with regard to r	novelty, inven	tive step or industrial applicability			
IV Lack of unity of						
V X Reasoned stateme		egard to novelt	y, inventive step or industrial applicability;			
VI Certain documents						
VII Certain defects in	the international application					
VIII Certain observations on the international application						
·						
Date of submission of the demand	Da	te of completio	n of this report			
20 FEBRUARY 2001		05 OCTOBER	2001			
Name and mailing address of the IPEA	'US AA	thorized officer				
Commissioner of Patents and Trader	·	With	is surence for			
Washington, D.C. 20231	1	JAMES L. GR	. UIV, Р В РО.			
Facsimile No. (703) 305-3230	Tel	ephone No.	(703) 308-0196			



International application No.

PCT/US00/19843

I. B	sis of the rep	ort				
 1. With	regard to the ele	ements of the internat	ional applicati	on:*		
x	_	nal application as				
	the description		. ,			
X	pages					, as originally filed
	pages				•	, filed with the demand
	pages		-	_ , filed with the lette		•
	•					
X	the claims:	26.20				
	pages	26-29 NONE				, as originally filed
	pages					atement) under Article 19
	pages	MONT	filed u	vith the letter of		, filed with the demand
	pages	NONE	, Incu w	du die letter of		
x	the drawings:					
لکا	pages	1-3				, as originally filed
	pages	NONE				, filed with the demand
	pages					
X	the sequence l	isting part of the de	-			
	pages					, as originally filed
	pages	NONE		61 1 11 11 1 1 1		, filed with the demand
	pages	NONE		, filed with the letter	10	
	the language of	of publication of the	he internatio	he purposes of international application (under purposes of international	Rule 48.3(b)).	nination (under Rules 55.2 and/
				_		application, the international
pre	liminary exami	nation was carried	out on the b	easis of the sequence list	ting:	
	contained in t	he international ap	oplication in	printed form.		
	filed together	with the internation	onal applicat	tion in computer readal	ble form.	
一片	furnished subs	sequently to this A	uthority in	written form.		
뭄		•	-	computer readable forn	n	
		•				yond the disclosure in the
	international ap	pplication as filed l	has been furr	nished.	_	
	The statement the been furnished.	hat the information	recorded in c	omputer readable form is	identical to the	writen sequence listing has
4. X	The amendme	ents have resulted	in the cance	ellation of:		
	X the desc	ription, pages	NONE			
		ms, Nos.	NONE	- 1-11		
		vings, sheets /fig _				
5.	. —			mendments had not been	muda sinas there	have been considered to as
ـــا .ر				mendments had not been to e Supplemental Box (Rul-		have been considered to go
in t	lacement sheets w his report as "or	hich have been furnis	hed to the rec	eiving Office in response to	an invitation una	ler Article 14 are referred to n amendments (Rules 70.16
	70.17). replacement sh	eet containing such	amendments i	must be referred to under	r item 1 and ann	exed to this report.



International application No.

PCT/US00/19843

statement			
Novelty (N)	Claims	1-37	YE
	Claims	NONE	NC
Inventive Step (IS)	- Claims	NONE .	YE
mvemive step (te)	Claims	1-37	NC
		-	
Industrial Applicability (IA)	Claims	1-37	YE
	Claims	NONE	NC
citations and explanations (Rule 7	70.7)		
		icle 33(3) as being obvious over Herr et al (US. Pat. No	
5,830,472) in view of Owens et al.			
spermicide and diagnostic. The sequence of that, using the sequences of the antibody, co	the antibody is	osited as ATCC HB12144, and the use of the antibody as a property of the deposited antibody. The reference teachiques can be employed to provide recombinant antibodies	ches
		genetic engineering of monoclonal antibodies for a variety	y of
benefits including to provide a more stable, I	nigher-yield, an	d/or lower cost production means than hybridomas. we recombinantly engineered the S19 monoclonal antibody	ı of
Herr et al using the conventional techniques	taught in Owen	s et al motivated by the direct suggestion in Herr et al to	do so
and by the benefits taught in Owens et al.			
Claims 1-37 meet the criteria set or	at in PCT Artic	le 33(4) for industrial applicability.	
		to end, it an immediate the manney.	
NEW CITATIONS			
NEW CITATIONS			



International application No.

PCT/US00/19843

Sup	plemental	Box
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(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Boxes I - VIII

Sheet 10

CLASSIFICATION:

The International Patent Classification (IPC) and/or the National classification are as listed below: IPC(7): A61K 39/395, 39/44; C07H 21/04; G07K 16/18; C12P 21/08; G01N 33/542, 33/567 and US C1.: 424/152.1, 178.1; 435/2, 7.21, 7.92, 328, 329; 436/518; 530/387.3, 387.5, 388.2, 391.1, 391.7; 536/23.53; 935/66